

CODING OF MOTION VECTOR INFORMATION

ABSTRACT

Techniques and tools for encoding and decoding motion vector information for
5 video images are described. For example, a video encoder yields an extended motion
vector code by jointly coding, for a set of pixels, a switch code, motion vector
information, and a terminal symbol indicating whether subsequent data is encoded for
the set of pixels. In another aspect, an encoder/decoder selects motion vector
predictors for macroblocks. In another aspect, a video encoder/decoder uses hybrid
10 motion vector prediction. In another aspect, a video encoder/decoder signals a motion
vector mode for a predicted image. In another aspect, a video decoder decodes a set
of pixels by receiving an extended motion vector code, which reflects joint encoding of
motion information together with intra/inter-coding information and a terminal symbol.
The decoder determines whether subsequent data exists for the set of pixels based on
15 e.g., the terminal symbol.